

Local RFID Mode

eM4 Controller Wallbox

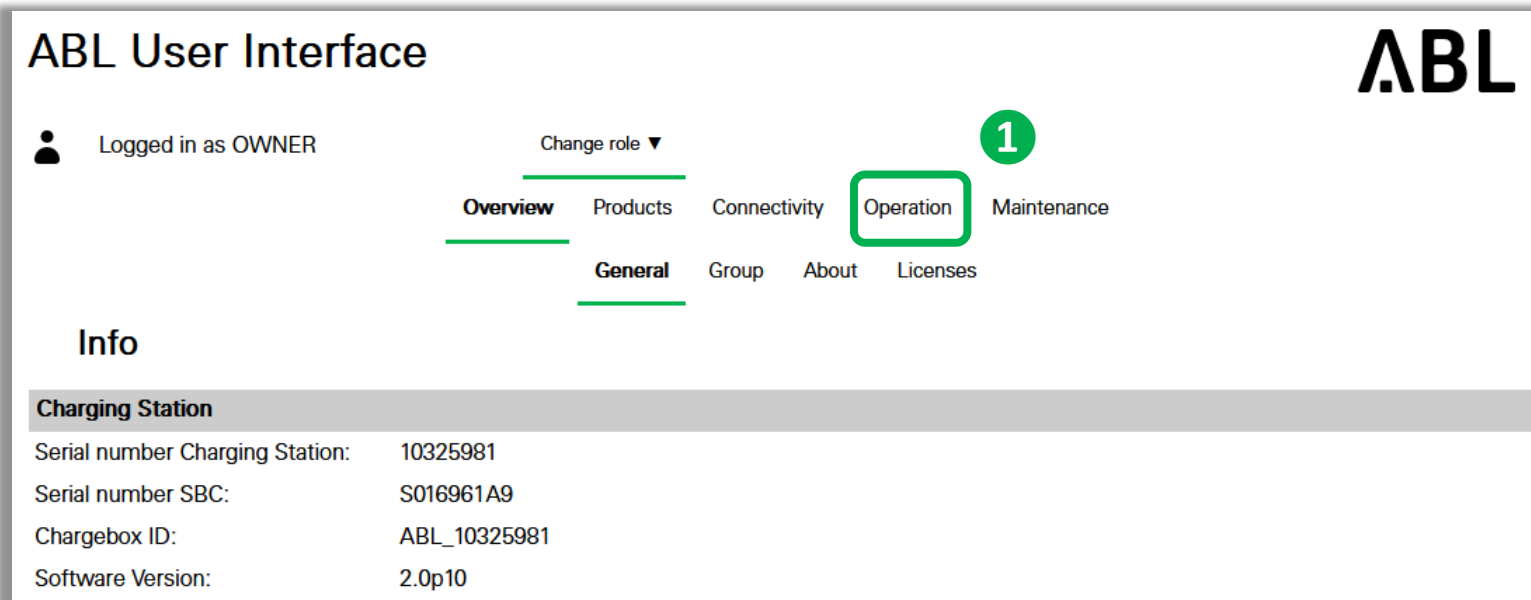


Converting an eM4 controller or an eM4 group (controller / extender) to "Local RFID Mode" is only possible after the complete configuration via the ABL Configuration App.

- This switches off the backend connection and it is possible to teach in RFID cards directly in the controller wallbox.
- You can reach the SBC web admin in various ways, e.g. via a laptop, a tablet or a smartphone - description from page 8 onwards

Local RFID Mode – User Interface

ABL



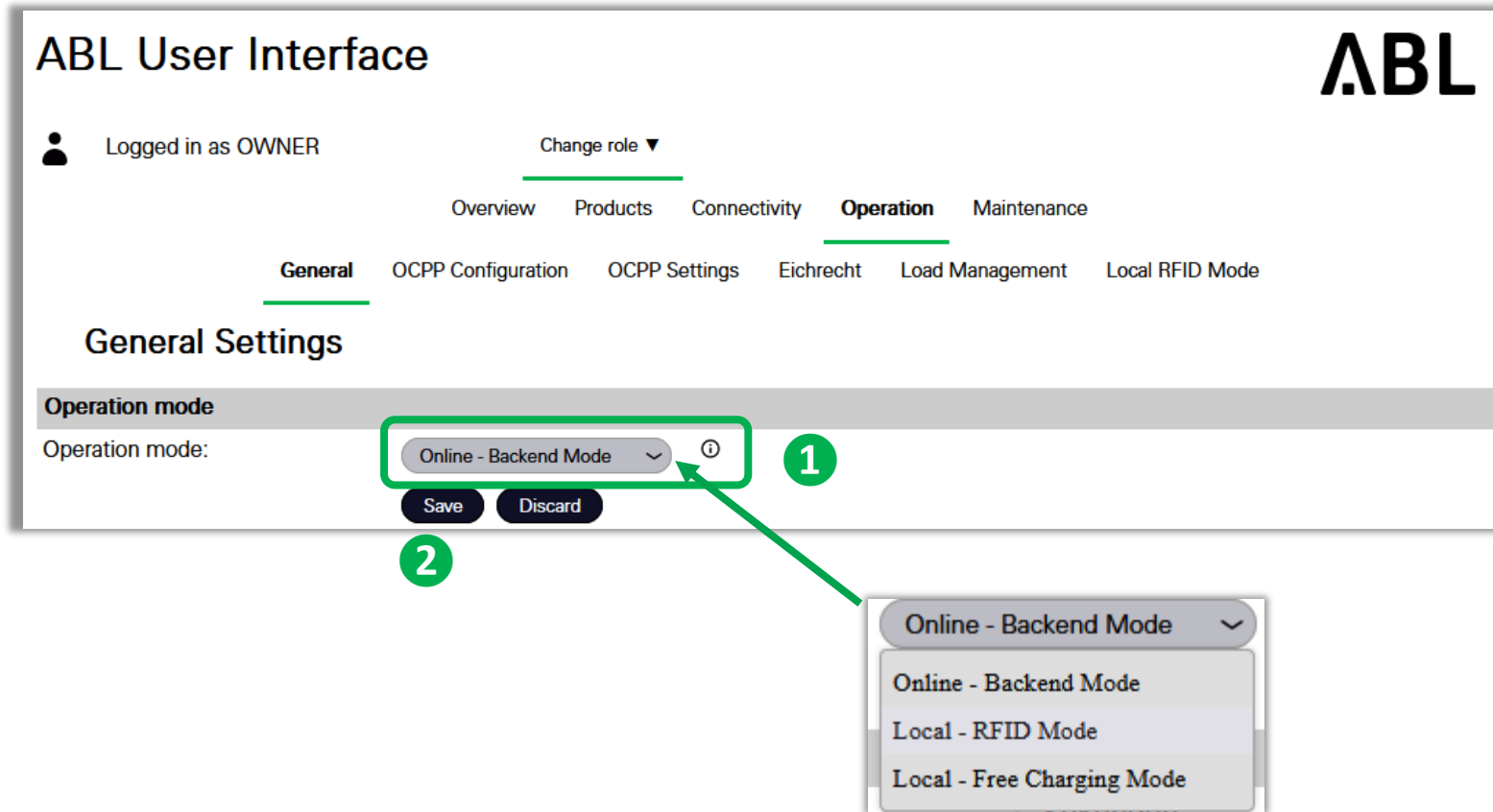
The screenshot shows the ABL User Interface. At the top left, it says "ABL User Interface" and "Logged in as OWNER". In the top right corner, the "ABL" logo is displayed. Below the login information, there is a "Change role" dropdown menu. A navigation menu is located in the center, with tabs for "Overview", "Products", "Connectivity", "Operation", and "Maintenance". The "Operation" tab is highlighted with a green box, and a green circle with the number "1" is placed above it. Below the navigation menu, there is a "General" section with sub-tabs for "Group", "About", and "Licenses". On the left side, under the heading "Info", there is a "Charging Station" section with the following details:

Charging Station	
Serial number Charging Station:	10325981
Serial number SBC:	S016961A9
Chargebox ID:	ABL_10325981
Software Version:	2.0p10

1 Switch to the "Operation" tab

Local RFID Mode

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1 Switch to the operating mode "Local - RFID Mode"

Alternatively, "Free Charging" can also be selected here (Free Charging Mode)

2 Save

Local RFID Mode

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ABL User Interface

Logged in as OWNER

Change role ▼

Overview Products Connectivity **Operation** Maintenance

General OCPP Configuration OCPP Settings Eichrecht Load Management **Local RFID Mode**

Local RFID Mode. Management of User List.

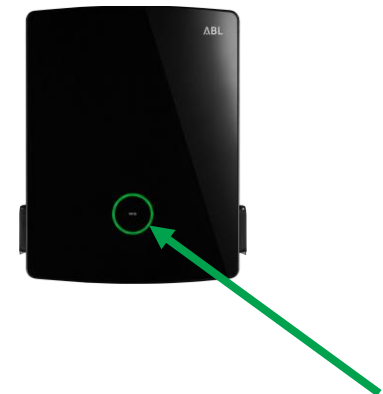
RFID - UID	Username	Outlets	Action
No entries found.			

Export User List:

Import User List: Keine Datei ausgewählt.

2

- 1** Switch to the "Local - RFID Mode" tab
- 2** Click on "Add RFID-Card" and present the RFID card in front of the RFID reader of the wallbox



Local RFID Mode

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ABL User Interface

Logged in as OWNER

Change role ▼

Overview Products Connectivity **Operation** Maintenance

General OCPP Configuration OCPP Settings Eichrecht Load Management **Local RFID Mode**

Local RFID Mode. Management of User List.

i The teaching card UID 0441943AF85680 was updated successfully.

RFID - UID	Username	Outlets	Action
No entries found.			
0441943AF85680	John Miller	1	<input checked="" type="checkbox"/>

Example: 1, 4, 6, 16 or space for the selection all outlets

Export User List:

Import User List: Keine Datei ausgewählt.

- 1 Card UID is read and displayed
- 2 Enter name for card (e.g. User name)
- 3 Enter the number of the charging point for which the RFID card is to be valid
 - e.g. 1 for chargepoint 1
 - 1,2,4 for chargepoint 1, 2 and 4
 - Space bar for all charging points
- 4 Click hook for saving

Local RFID Mode

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ABL User Interface





Logged in as OWNER Change role ▼

Overview Products Connectivity **Operation** Maintenance

General OCPP Configuration OCPP Settings Eichrecht Load Management **Local RFID Mode**

Local RFID Mode. Management of User List.

 Data was saved successfully.

RFID - UID	Username	Outlets	Action
0441943AF85680	John Miller	1	 
043052CA4A6580	Jessica Miller	2	 

Add RFID-Card Delete all

Export User List: 1 Export

Import User List: Durchsuchen... Keine Datei ausgewählt. Import 2

Repeat the process until all cards have been taught in

- 1 List of RFID cards can be exported, e.g. to read them in again at another wallbox
- 2 A list of RFID cards can also be imported

→ Charging sessions can now be released with the corresponding cards

The screenshot shows the ABL User Interface. At the top left, it says "ABL User Interface" and "Logged in as OWNER". There is a "Change role" dropdown menu. Below this, there are several navigation tabs: "Overview", "Products", "Connectivity", "Operation", "Maintenance", "System", "Diagnosis", and "Logs". The "Maintenance" and "System" tabs are highlighted with green boxes. Below the navigation tabs, there is a section titled "Maintenance Functions". Under this section, there is a "System Restart" header. Below the header, there are two options: "Soft reset" and "Hard reset". The "Hard reset" button is highlighted with a green box and a "1" in a green circle. The "Soft reset" button is also highlighted with a green box.

Switch to the "Maintenance" tab and "System" tab

- 1 Click on "Hard reset". Controller restarts

The "Local RFID mode" function is then ready for operation

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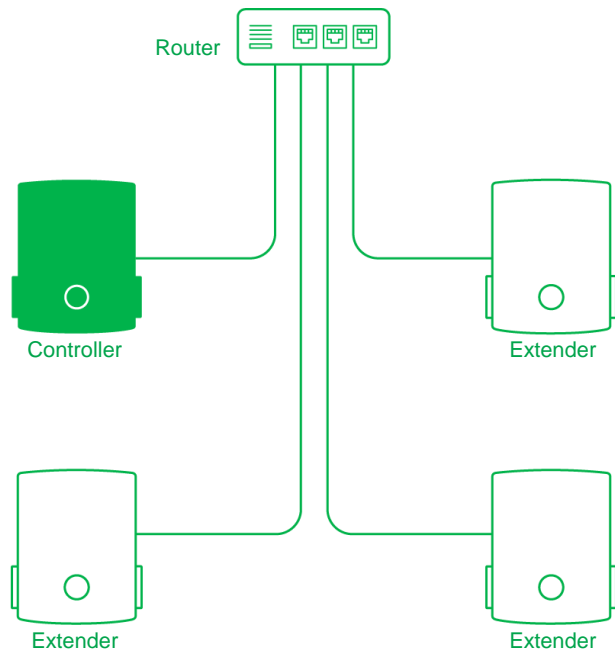
Access options to the web admin

eM4 Controller



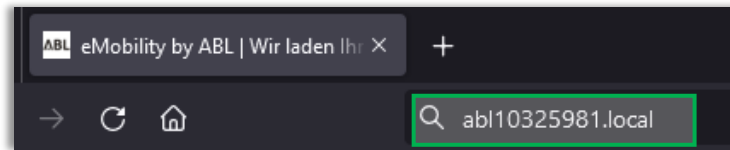
Access to the web admin of the controller wallbox

Wired via Router



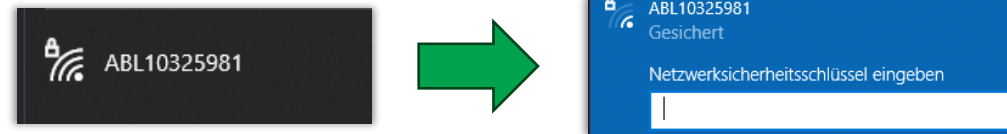
Variant 1:

- Connection via network cable to a free port of the Routers
→ Input in the address field of a browser:
ablserialnumber.local



Variant 2:

- Select the WiFi of the wallbox– connect – enter password*



- Input in the address field of a browser:
10.10.10.200

Variant 3:

- Read out the IP address via the router interface

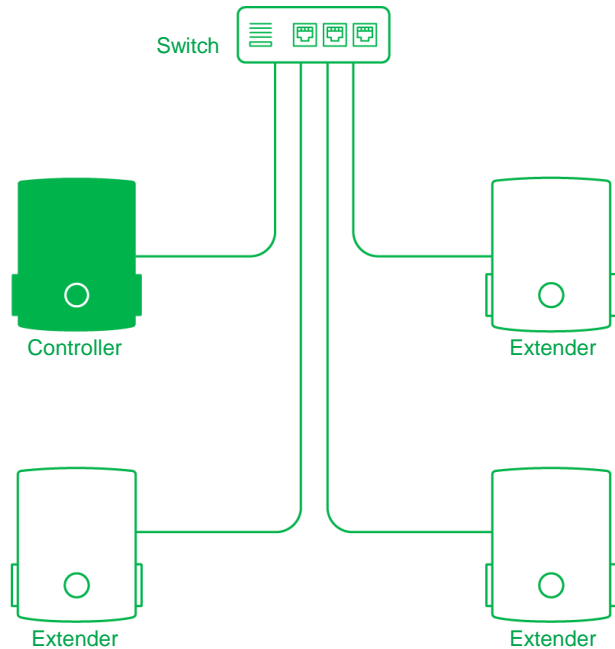


- Enter the IP address in the address field of a browser

* WiFi password of the wallbox (assigned during commissioning)

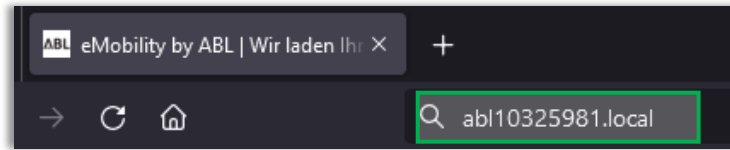
Access to the web admin of the controller wallbox

Wired via Switch (without Router)
DHCP through controller



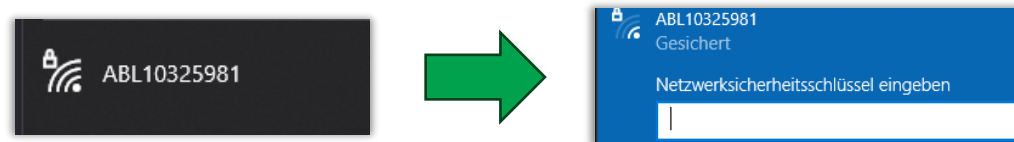
Variant 1:

- Connection via network cable to a free port on the switch
→ Input in the address field of a browser :
ablserialnumber.local



Variant 2:

- Select the WiFi of the wallbox– connect – enter password*

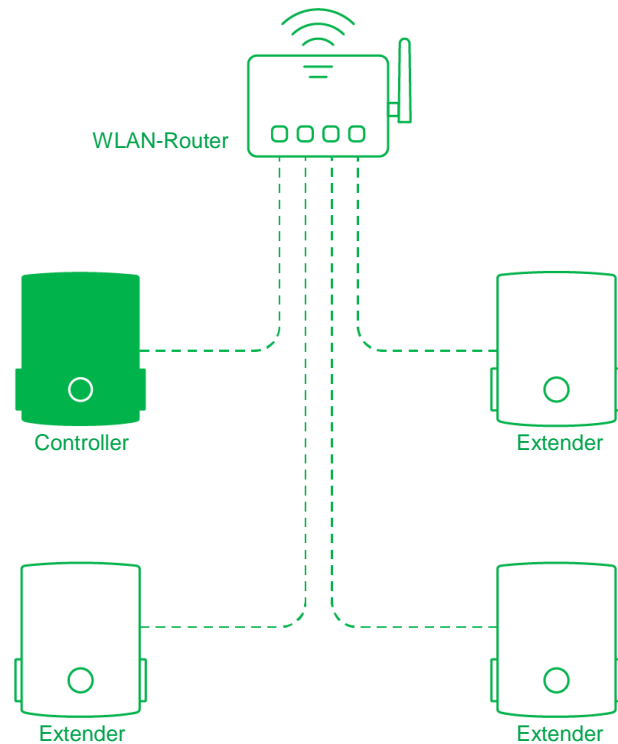


→ Input in the address field of a browser:
10.10.10.200

* WiFi password of the wallbox (assigned during commissioning)

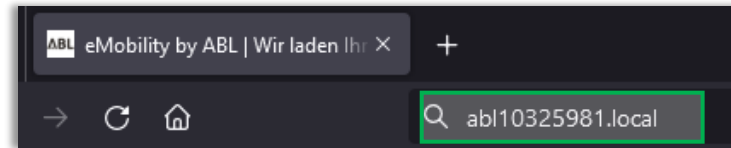
Access to the web admin of the controller wallbox

Wireless via WiFi-Router



Variant 1:

- Connection to the controller via network cable
→ Input in the address field of a browser:
`ablserialnumber.local`



Variant 2:

- Read out the IP address via the router interface



→ Enter the IP address in the address field of a browser

* WiFi password of the wallbox (assigned during commissioning)



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